STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/594,418
Source: IFW P
Date Processed by STIC: 10/10/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWP

RAW SEQUENCE LISTING DATE: 10/10/2006
PATENT APPLICATION: **US/10/594,418** TIME: 15:00:53

Input Set : **A:\123-03 WO.ST25.txt**
Output Set: **N:\CRF4\10102006\J594418.raw**

3 <110> APPLICANT: Hexima Limited
4 Poon, Simon
5 Heath, Robyn L.
6 Clarke, Adrienne E.
8 <120> TITLE OF INVENTION: Arabinogalactan Protein Compositions and Methods for Fostering
9 Somatic Embryogenic Competence
11 <130> FILE REFERENCE: 123-03 WO
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/594,418
C--> 14 <141> CURRENT FILING DATE: 2006-09-26
16 <150> PRIOR APPLICATION NUMBER: US 60/558,609
17 <151> PRIOR FILING DATE: 2004-03-31
19 <160> NUMBER OF SEQ ID NOS: 27
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 15
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Synthetic peptide
32 <220> FEATURE:
33 <221> NAME/KEY: UNSURE
34 <222> LOCATION: (5)..(6)
35 <223> OTHER INFORMATION: X is any amino acid.
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (5)..(6)
40 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
42 <400> SEQUENCE: 1
W--> 44 Glu Asp Tyr Ser Xaa Xaa Thr Ser Asn Pro Ile Ala Glu Tyr Lys
45 1 5 10 15
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 8
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Synthetic peptide
56 <400> SEQUENCE: 2
58 Ile Gln Ile Gly Asp Ser Leu Val
59 1 5
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 11
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial sequence

see pp 2-4, 6

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING DATE: 10/10/2006
PATENT APPLICATION: **US/10/594,418** TIME: 15:00:53

Input Set : **A:\123-03 WO.ST25.txt**
Output Set: **N:\CRF4\10102006\J594418.raw**

67 <220> FEATURE:
68 <223> OTHER INFORMATION: Synthetic peptide
70 <400> SEQUENCE: 3
72 Ser Thr Ala Ser Leu Gly Val Thr Leu Ser Val
73 1 5 10
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 13
78 <212> TYPE: PRT
C--> 79 <213> ORGANISM: Artficial sequence
W--> 81 <220> FEATURE:
W--> 81 <223> OTHER INFORMATION:
W--> 81 <400> 4
83 Ala Gly Thr Leu Arg Pro Glu Lys Pro Phe Thr Ala Asn
84 1 5 10
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 16
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Synthetic peptide
95 <400> SEQUENCE: 5
97 Asp Gly Trp Val Val Ser Pro Ser Glu Asn Tyr Asn His Trp Ala Glu
98 1 5 10 15
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 9
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetic peptide
110 <220> FEATURE:
111 <221> NAME/KEY: UNSURE
112 <222> LOCATION: (4)..(8)
113 <223> OTHER INFORMATION: X is any amino acid.
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (4)..(4)
118 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (8)..(8)
123 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
125 <400> SEQUENCE: 6
W--> 127 **Ile Gln Val Xaa Asp Glu Val Xaa Glu**
128 1 5
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 13
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial sequence
136 <220> FEATURE:

Artificial

→ see p. 6 for error explanation

RAW SEQUENCE LISTING DATE: 10/10/2006
PATENT APPLICATION: **US/10/594,418** TIME: 15:00:53

Input Set : **A:\123-03 WO.ST25.txt**
Output Set: **N:\CRF4\10102006\J594418.raw**

137 <223> OTHER INFORMATION: Synthetic peptide
139 <400> SEQUENCE: 7
141 Tyr Ala Gly Asp Thr Ile Thr Gly Asn Thr Asp Asn Ser
142 1 5 10
145 <210> SEQ ID NO: 8
146 <211> LENGTH: 20
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Synthetic primer
154 <220> FEATURE:
155 <221> NAME/KEY: variation
156 <222> LOCATION: (1)..(16)
157 <223> OTHER INFORMATION: Y is C or T; I is inosine; R is A or G.
159 <220> FEATURE:
160 <221> NAME/KEY: variation
161 <222> LOCATION: (1)..(20)
162 <223> OTHER INFORMATION: Y is C or T; I is inosine; R is A or G; N is inosine.
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (6)..(6)
167 <223> OTHER INFORMATION: n is a, c, g, or t
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (9)..(9)
172 <223> OTHER INFORMATION: n is a, c, g, or t
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (12)..(12)
177 <223> OTHER INFORMATION: n is a, c, g, or t
179 <400> SEQUENCE: 8
W--> 180 **aayccnatng cngartayaa** 20
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 20
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic primer
192 <220> FEATURE:
193 <221> NAME/KEY: variation
194 <222> LOCATION: (1)..(20)
195 <223> OTHER INFORMATION: Y is C or T; N is inosine.
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (18)..(18)
200 <223> OTHER INFORMATION: n is a, c, g, or t
202 <400> SEQUENCE: 9
W--> 203 **aaytayaayc attgggcnga** 20
206 <210> SEQ ID NO: 10

"I" is not permitted in the sequence (use "N" instead, and explain in <220>-<223> section)

(18) last "n" location

delete

delete

RAW SEQUENCE LISTING DATE: 10/10/2006
PATENT APPLICATION: US/10/594,418 TIME: 15:00:53

Input Set : A:\123-03 WO.ST25.txt
Output Set: N:\CRF4\10102006\J594418.raw

```
     207 <211> LENGTH: 23
     208 <212> TYPE: DNA
     209 <213> ORGANISM: Artificial sequence
     211 <220> FEATURE:
     212 <223> OTHER INFORMATION: Synthetic peptide
     215 <220> FEATURE:
     216 <221> NAME/KEY: variation
     217 <222> LOCATION: (1)..(23)
     218 <223> OTHER INFORMATION: N is inosine; R is A or G; Y is C or T.
     220 <220> FEATURE:
     221 <221> NAME/KEY: misc_feature
     222 <222> LOCATION: (3)..(3)
     223 <223> OTHER INFORMATION: n is a, c, g, or t
     225 <220> FEATURE:
     226 <221> NAME/KEY: misc_feature
     227 <222> LOCATION: (12)..(12)
     228 <223> OTHER INFORMATION: n is a, c, g, or t
     230 <220> FEATURE:
     231 <221> NAME/KEY: misc_feature
     232 <222> LOCATION: (18)..(18)
     233 <223> OTHER INFORMATION: n is a, c, g, or t
     235 <220> FEATURE:
     236 <221> NAME/KEY: misc_feature
     237 <222> LOCATION: (21)..(21)
     238 <223> OTHER INFORMATION: n is a, c, g, or t
     240 <400> SEQUENCE: 10
W--> 241 ccncaraarc cnttyacngc naa                                        23
     244 <210> SEQ ID NO: 11
     245 <211> LENGTH: 84
     246 <212> TYPE: DNA
     247 <213> ORGANISM: Artificial sequence
     249 <220> FEATURE:
     250 <223> OTHER INFORMATION: GhPRP1 partial nucleotide sequence.
     252 <400> SEQUENCE: 11
     253 ccccagaagc catttactgc gaacaagctt ccgtttattc tctacaccgt tgggccattt     60
     255 gctttcgaac ccaaatgcta ctag                                          84
     258 <210> SEQ ID NO: 12
     259 <211> LENGTH: 27
     260 <212> TYPE: PRT
     261 <213> ORGANISM: Artificial sequence
     263 <220> FEATURE:
     264 <223> OTHER INFORMATION: GhPRP1 partial amino acid sequence.
     266 <400> SEQUENCE: 12
     268 Pro Glu Lys Pro Phe Thr Ala Asn Lys Leu Pro Phe Ile Leu Tyr Thr
     269 1               5                   10                  15
     272 Val Gly Pro Phe Ala Phe Glu Pro Lys Cys Tyr
     273             20                  25
     276 <210> SEQ ID NO: 13
     277 <211> LENGTH: 22
```

this is not a peptide sequence

RAW SEQUENCE LISTING DATE: 10/10/2006
PATENT APPLICATION: US/10/594,418 TIME: 15:00:53

Input Set : A:\123-03 WO.ST25.txt
Output Set: N:\CRF4\10102006\J594418.raw

278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Synthetic primer
284 <400> SEQUENCE: 13
285 gctatttcta tagcaactca ac 22
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 24
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Synthetic primer
296 <400> SEQUENCE: 14
297 caaactcaaa acaaccccaa aacc 24
300 <210> SEQ ID NO: 15
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Synthetic primer
308 <400> SEQUENCE: 15
309 gatgaaagca aggcacacac ac 22
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Synthetic primer
320 <400> SEQUENCE: 16
321 ccccttaata attcagcacc 20
324 <210> SEQ ID NO: 17
325 <211> LENGTH: 528
326 <212> TYPE: DNA
327 <213> ORGANISM: Cotton
329 <400> SEQUENCE: 17
330 atggctgcta aagctttttc aagaagtata actcctttgg tgcttttgtt catatttta 60
332 agctttgcac aaggtaaaga aatcatggtt ggtggcaaaa caggcgcttg gaagatacct 120
334 tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcggcgac 180
336 tctctcgtgt ggaaatatga tggtggtaaa gactcggtgc tccaagtgag taaggaggat 240
338 tatacaagtt gcaatacgtc gaacccgatt gccgagtaca aagatgggaa caccaaggtg 300
340 aagcttgaaa agtcaggacc atatttcttc atgagtggag caaagggcca ctgcgagcaa 360
342 ggccagaaga tgattgtggt tgtgatgtct caaaagcata ggtacattgg aatctctcca 420
344 gcaccttcgc cggttgattt tgaaggtccg gccgttgctc caacaagcgg agttgcaggg 480
346 ttgaaggctg gtttgttggt gacagtgggg gttttggggt tgttttga 528
349 <210> SEQ ID NO: 18
350 <211> LENGTH: 175
351 <212> TYPE: PRT
352 <213> ORGANISM: Cotton
354 <400> SEQUENCE: 18

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/10/2006
PATENT APPLICATION: US/10/594,418 TIME: 15:00:54

Input Set : A:\123-03 WO.ST25.txt
Output Set: N:\CRF4\10102006\J594418.raw

FyI

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5,6
Seq#:6; Xaa Pos. 4,8
Seq#:8; N Pos. 6,9,12
Seq#:9; N Pos. 18
Seq#:10; N Pos. 3,12,18,21

Use of <220> Feature(NEW RULES): error explanation
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or"Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:4

VERIFICATION SUMMARY DATE: 10/10/2006
PATENT APPLICATION: **US/10/594,418** TIME: 15:00:54

Input Set : **A:\123-03 WO.ST25.txt**
Output Set: **N:\CRF4\10102006\J594418.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:79 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213> ORGANISM:Artificial Sequence
L:81 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213> ORGANISM:Artificial Sequence
L:81 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:81
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0